
Project Engineering and Design Fund

Office of Engineering and Construction Management



Project Engineering and Design Fund Objectives

- Improve the probability of an accurate Performance Baseline for the project.
- Establish the Performance Baseline after the Preliminary Design is completed.
- Improve the DOE's planning, programming and budgeting process for the acquisition of capital assets.



PED Account Management

- PED funds are managed in one consolidated account by the Program Offices.
- All Program Offices will request PED funds to initiate new design project starts in FY02.
- Projects must have achieved CD-0 before the budget submission for PED funds
- PED funds are for the Preliminary and Final Design (Title I and II) effort
- Subsequent PED requests are to initiate new design projects, continue or complete a PED funded design.

Office of Engineering and Construction Management



PED Account Management (cont.)

- The PED Project Data Sheet (PDS) will identify the anticipated projects for PED funding
- PED funds for Preliminary and Final design will be released by the PSO upon CD-1 approval by the Acquisition Executive (AE).
- Any movement of funds within the PED account requires PSO approval and notification of OECM.
- New projects not previously identified may be initiated after CD-1. PSO must notify OMB and Congress (via the CFO) before initiating design activities.



Transition to PED

- The Offices of Defense Programs and Environmental Management initiated the use of PED funds in FY01 for a limited number of projects.
- No procedural changes for projects currently funded for design and construction prior to FY02.



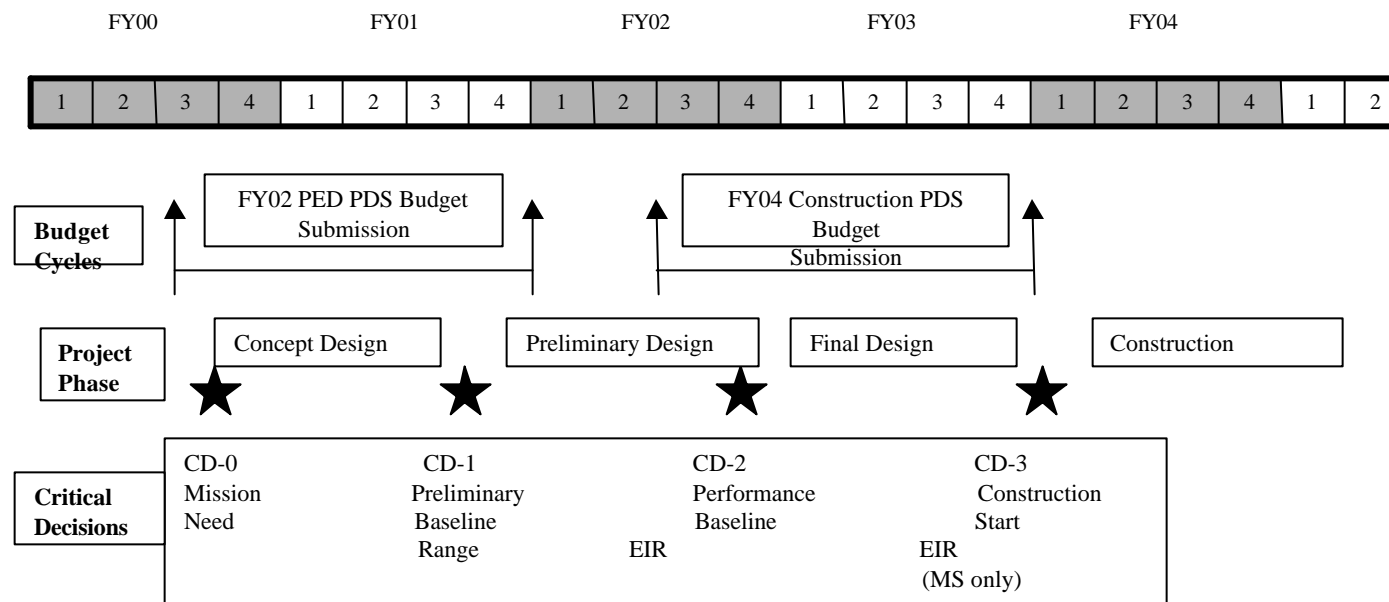
Critical Decisions in DOE O 413.3

- CD-0 – Approve Mission Need
- CD-1 – Approve Preliminary Baseline Range
- CD-2 – Approve Performance Baseline
- CD-3 – Approve Start of Construction
- CD-4 – Approve Start of Operations or Project Closeout



Traditional Process

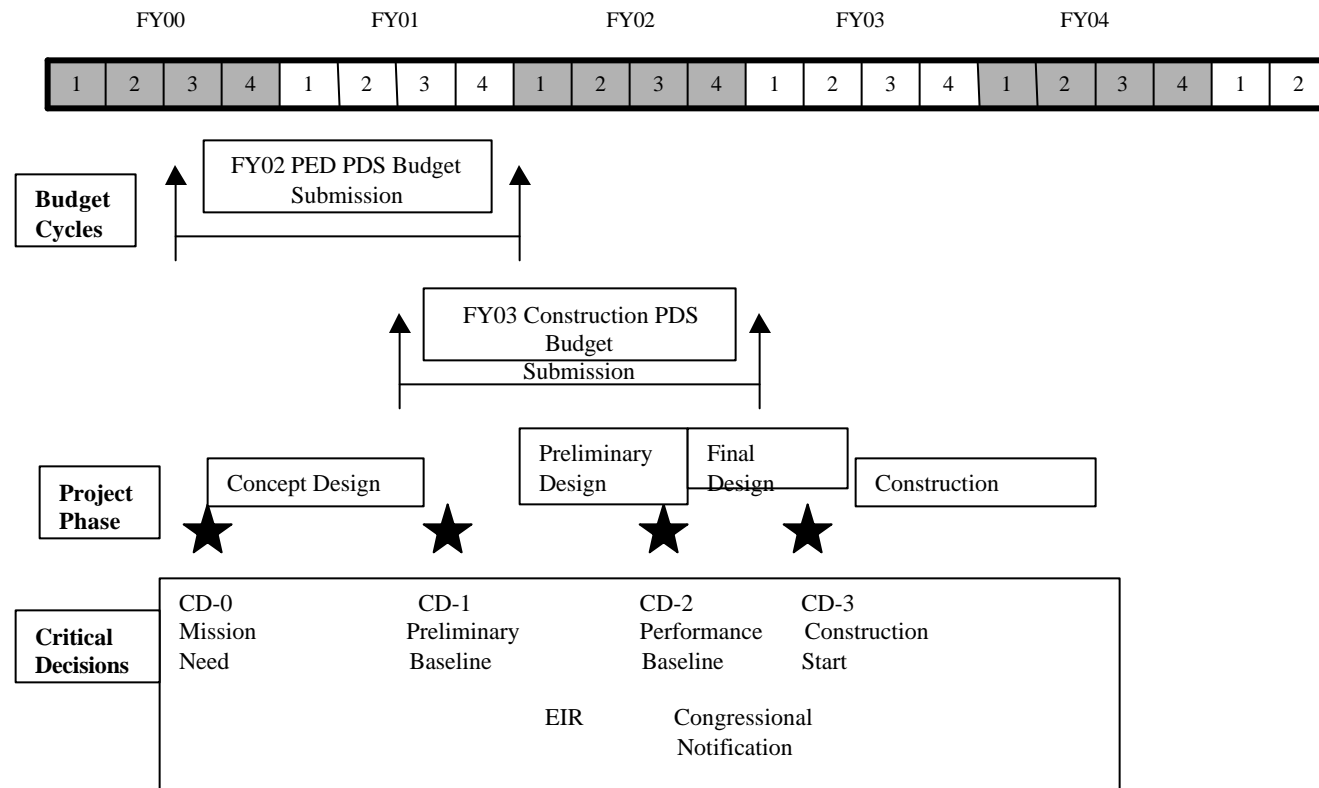
Design-Procure-Build



Office of Engineering and Construction Management



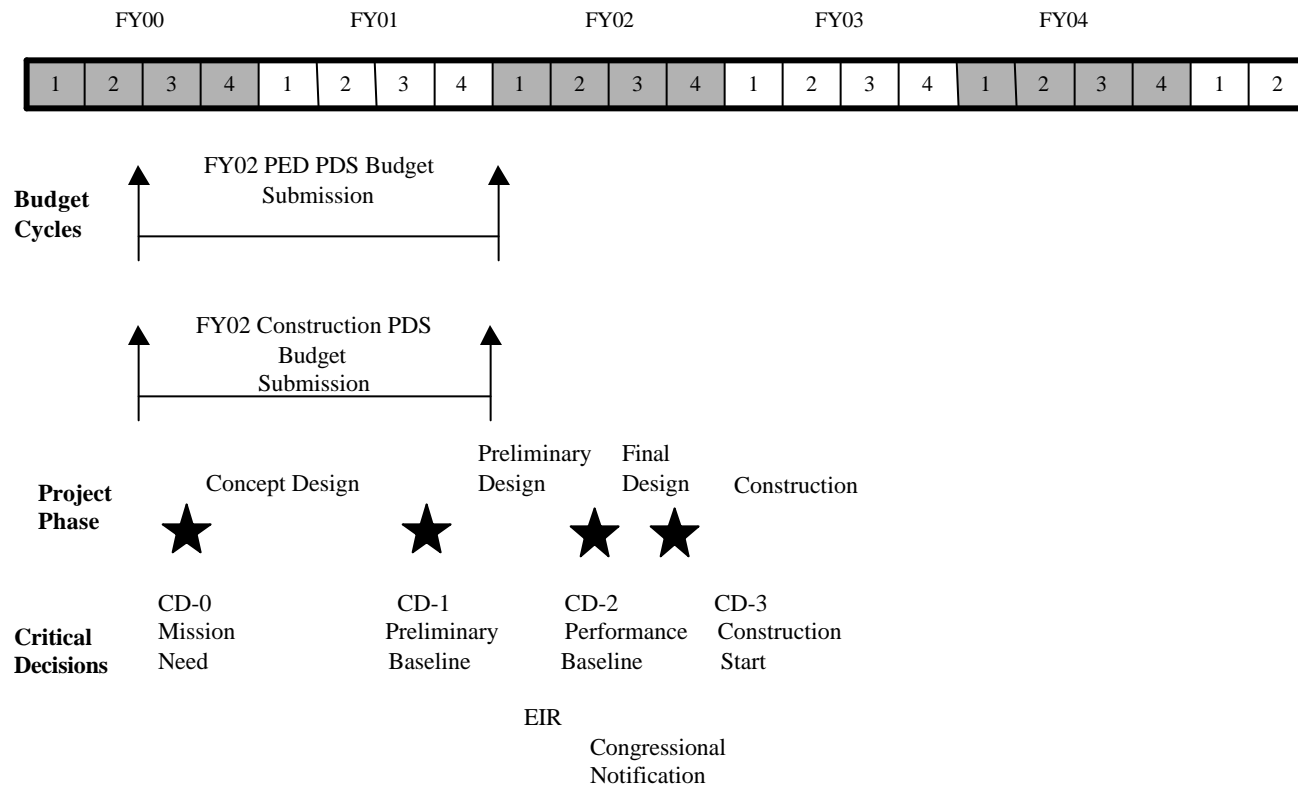
Simplified Process



Office of Engineering and Construction Management



Simplified Process



Office of Engineering and Construction Management



Traditional Design-Procure-Build Projects

- A project's budget requirement for PED is developed after CD-0 and during the Concept Design
- All projects must have CD-1 approval before starting Preliminary Design
- An EIR must be performed after the Preliminary Design is complete to validate the scope, cost, schedule and technical requirements (ie., the Performance Baseline)
- CD-2 must be approved prior to the final budget submission for a new start construction project.
- CD-3 must be approved by the AE prior to the release of construction funds.



Simplified Process

- Used for projects that can be engineered, designed and ready for construction award in the same fiscal year or the following fiscal year.
- If the “traditional” process were followed, there could be a delay of up to 12 months between design completion and receipt of construction funds.
- Used for conventional construction projects such as infrastructure rehabilitation. Should not involve undefined complex systems integration nor undefined NEPA requirements that might delay the project



Simplified Process (cont.)

- The plan to complete the design and have the project ready for construction award in the same fiscal year or the following fiscal year is approved at CD-0 Mission Need and is included in the Acquisition Strategy .
- The PED PDS indicates that a Construction PDS will be submitted with a Preliminary cost and schedule baseline. The Preliminary baseline is developed in the Concept Design Report
- The Construction PDS may be submitted in the same fiscal year as the PED PDS if the AE confirms the project will be ready for award.



Simplified Process (cont.)

- An EIR is performed during the design to confirm the the project can be executed within the Preliminary baseline.
- The PSO will notify OMB and Congress (via the CFO) regarding the approved Performance baseline
- The PSO will release the construction funds after CD-3 approval by the AE
- Traditional Design-Procure-Build or Design-Build acquisition methods may be used



OECM Points of Contact

- EM Point of Contact
 - Bob McMullan robert.mcmullan@hq.doe.gov
(202) 586-3524
- PED Point of Contact
 - Randy Inouye randall.inouye@hq.doe.gov
(202) 586-5705
- EIR Process Point of Contact
 - Paul Ross paul.ross@hq.doe.gov
(202) 586-4027

